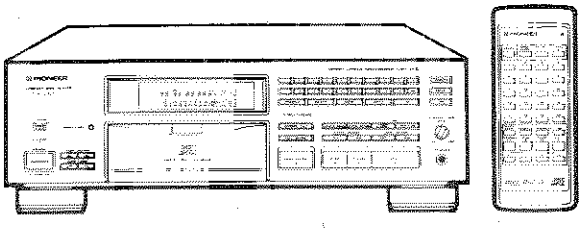
Operating Instructions

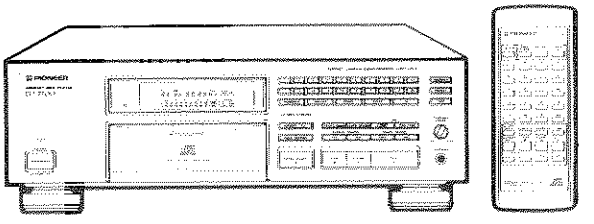
COMPACT DISC PLAYER

PD-8700
PD-7700

COMPACT disc DIGITAL AUDIO



PD-8700



PD-7700

Thank you for buying this Pioneer product.
Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, put them away in a safe place for future reference.
In some countries or regions, the shape of the power plug and power outlet may sometimes differ from that shown in the explanatory drawings. However, the method of connecting and operating the unit is the same.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

IMPORTANT NOTICE
[For U.S. and Canadian models]

The serial number for this equipment is located on the rear panel. Please write this serial number on your enclosed warranty card and keep it in a secure area. This is for your security.

[For Canadian model]

CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

ATTENTION: POUR PREVENIR LES CHOCS ELECTRIQUES NE PAS UTILISER CETTE FICHE POLARISEE AVEC UN PROLONGATEUR UNE PRISE DE COURANT OU UNE AUTRE SORTIE DE COURANT, SAUF SI LES LAMES PEUVENT ETRE INSEREES A FOND SANS EN LAISSER AUCUNE PARTIE A DECOUVERT.

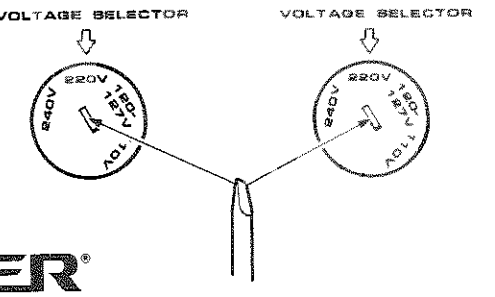
"This product complies with the Radio Interference requirements of the EC (European Community) Directive 87/308/EEC."

TWO VOLTAGE SELECTOR SWITCHES

Only multi-voltage models are provided with these switches. U.S., Canadian, European, U.K., and Australian models are not provided with these switches.
Mains voltages in Saudi Arabia are 127V and 220V only. Never use this model with a 110V setting in Saudi Arabia.

The line voltage selector switches are on the rear panel. Before your model is shipped from the factory, these switches are set to the power requirements of the destination. Check that they are set properly before plugging the power cord into the household wall socket. If the voltage is not properly set or if you move to an area where the voltage requirements differ, adjust the selector switches as follows.

1. Use a medium-size screwdriver.
2. First, insert a screwdriver in the groove of the voltage selector at the right, and adjust so that the arrow points to the voltage value of your area.
3. Next, insert a screwdriver in the groove of the voltage selector at the left and adjust until the voltage is the same as at the right.



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The Art of Entertainment

IMPORTANT 1

The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION:
TO PREVENT THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT 2

If the apparatus is fitted with AC mains power outlet(s), see REAR PANEL FACILITIES for convenient connection of additional Hi-Fi component(s). Make all connections to the AC outlet(s) and the signal terminals first. Connect the plug to the wall socket last, make sure that the power switch is off.

FOR USE IN THE UNITED KINGDOM

The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral
Brown: Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured marking identifying the terminals in your plug proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.
Do not connect either wire to the earth terminal of a three pin plug.
Equipment sold in the U.K. is not supplied with a power plug.

SAFETY INSTRUCTIONS

READ INSTRUCTIONS — All the safety and operating instructions should be read before the appliance is operated.

RETAIN INSTRUCTIONS — The operating instructions should be retained for future reference.

HEED WARNING — All warnings on the appliance and in the operating instructions should be adhered to.

FOLLOW INSTRUCTIONS — All operating and use instructions should be followed.

WATER AND MOISTURE — The appliance should not be used near water — for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.

LOCATION — The appliance should be installed in a stable location.

WALL OR CEILING MOUNTING — The appliance should not be mounted to a wall or ceiling.

VENTILATION — The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.

HEAT — The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

POWER SOURCES — The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.

POWER-CORD PROTECTION — Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them. Pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.

POLARIZATION — If your purchased product is provided with a polarized power plug, please read the following instructions. This product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

CLEANING — The appliance should be cleaned only with a polishing cloth or a soft dry cloth. Never clean with furniture wax, benzine, insecticides or other volatile liquids since they may corrode the cabinet.

POWER LINES — An outdoor antenna should be located away from power lines.

NONUSE PERIODS — The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

OBJECT AND LIQUID ENTRY — Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

DAMAGE REQUIRING SERVICE — The appliance should be serviced by a Pioneer authorized service center or qualified service personnel when:

- The power-supply cord or the plug has been damaged.
- Objects have fallen, or liquid has been spilled into the appliance.
- The appliance has been exposed to rain.
- The appliance does not appear to operate normally or exhibits a marked change in performance.
- The appliance has been dropped or the enclosure damaged.

SERVICING — The user should not attempt to service the appliance beyond that described in the operating instructions. For all other servicing, contact the nearest Pioneer authorized service center.

OUTDOOR ANTENNA GROUNDING — If an outside antenna is connected to the antenna terminal, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.
In the U.S.A. section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Fig. A.

CART — An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

NEC — NATIONAL ELECTRIC CODE

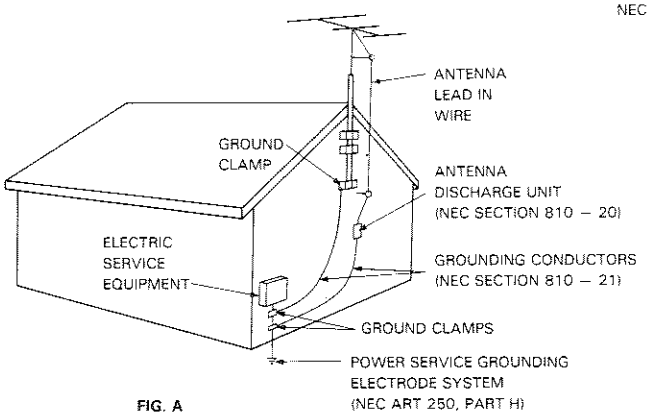

FIG. A

[FOR EUROPEAN AND U.K. MODELS]

CAUTION

This product contains a laser diode of higher class than 1. To ensure continued safety, do not remove any covers or attempt to gain access to the inside of the product.
Refer all servicing to qualified personnel.

The following caution label appear on your player.

Location: rear of the player

[FOR U.S. MODEL]
CAUTION

- Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
- The use of optical instruments with this product will increase eye hazard.

INFORMATION TO USER [FOR U.S. MODEL]

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- reorient the receiving antenna
- relocate this equipment with respect to the receiver
- move this equipment away from the receiver
- plug this equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:
"How to Identify and Resolve Radio-TV Interference Problems."
This booklet is available from the US Government Printing Office, Washington, D.C., 20402, Stock No. 004-000-00345-4

The above instructions apply only to units which will be operated in the United States

POWER-CORD CAUTION

Handle the power cord by the plug. Do not pull out the plug by tugging the cord and never touch the power cord when your hands are wet as this could cause a short circuit or electric shock. Do not place the unit, a piece of furniture, etc., on the power cord, or pinch the cord. Never make a knot in the cord or tie it with other cords. The power cords should be routed such that they are not likely to be stepped on. A damaged power cord can cause fire or give you an electrical shock. Check the power cord once in a while. When you find it damaged, ask your nearest PIONEER authorized service center or your dealer for a replacement.

THE POWER SWITCH IS SECONDARY CONNECTED AND THEREFORE DOES NOT SEPARATE THE UNIT FROM MAINS POWER IN STANDBY POSITION.

[For Canadian model]

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

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ABOUT THESE OPERATING INSTRUCTIONS

The contents found in these Operating Instructions are based on the PD-8700 model, but they are also applicable to the PD-8700 and PD-7700 models.

Differences between Models

	PD-8700	PD-7700
Control cord	YES (Canadian)	YES (U.S., Canadian and Australian)
Line out variable terminal	YES	NO
TIMER OFF/ PLAY switch	YES	NO
DISPLAY OFF button	YES	NO
INDEX SEARCH button	YES	NO
AUTO FADER button	YES	NO

Power cord connections and functions:

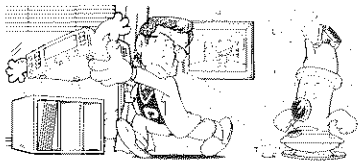
- The functions of this component may not all operate correctly, depending on where the unit's power cord is connected. Please note the following chart:

Where connected / Function	•Wall outlet •Auxiliary outlet (UNSWITCHED) on stereo amplfier	•Audio timer •Auxiliary outlet (SWITCHED) on stereo amplfier
Programmed play	Program is memorized.	Program is erased.
Programmed delete	Program is memorized.	Program is erased.
VARIABLE FADE	Time-fade memorized.	Time-fade erased.

CAUTIONS REGARDING HANDLING

Location

Install the player in a well ventilated location where it will not be exposed to high temperature or humidity.
Do not install the player in a location which is exposed to direct rays of the sun, or near to hot appliances or radiators. Excessive heat can adversely affect the cabinet and internal components. Installation of the player in a damp or dusty environment may result in malfunction or accident. (Also avoid installation near cookers etc., where the player may be exposed to smoke from oil, steam or heat.)

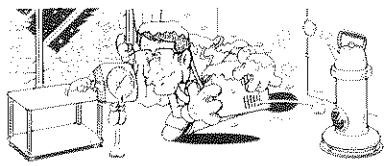


Precautions regarding installation

- Placing and using the compact disc player for long periods on heat-generating sources such as amplifiers will affect performance. Avoid placing the player on heat-generating sources.
- Install this compact disc player as far as possible from tuners and TV sets. A compact disc player installed in close proximity to such equipment may cause noise or degradation of the picture. Such noise may be particularly noticeable when an indoor antenna is used. In such a case, make use of an outdoor antenna, or turn off power to the compact disc player.
- Please place this unit on a level surface.

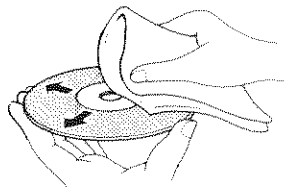
Condensation

When the player is brought into a warm room from previously cold conditions or when the room temperature is suddenly increased, condensation may form inside and the player may not be able to attain its full performance. In cases like this, allow the unit to stand for about an hour or raise the room temperature gradually.

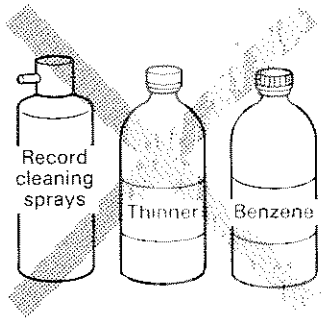


Cleaning discs

- The presence of fingerprints or smudges on the surface of the disc will not directly affect the recorded signals; but depending on the degree of contamination, the brightness of the light reflected from the signal surfaces may be reduced, causing degradation of sound quality.
  Always keep your discs clean by wiping them gently with a soft cloth from the inner edge toward the outer perimeter.

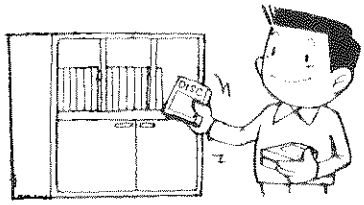


- If a disc becomes very dirty, wet a soft cloth in water. After wringing it out well, wipe the dirt away gently, and then remove any water drops with another soft dry cloth.
- Do not use record cleaning sprays or anti-static agents on discs. Also, never clean discs with benzene, thinner, or other volatile solvents which may cause damage to the disc surface.



Storing discs

- Discs are made of the same kinds of plastic used for conventional analog audio records. Be careful not to allow discs to warp; always store discs in their cases vertically, avoiding locations with high heat or humidity, or extremely low temperatures. Avoid leaving discs in cars and on the seats being exposed to direct sunlight since this can be harmful.
- Always read and abide by the precautionary notes listed on the disc labels.

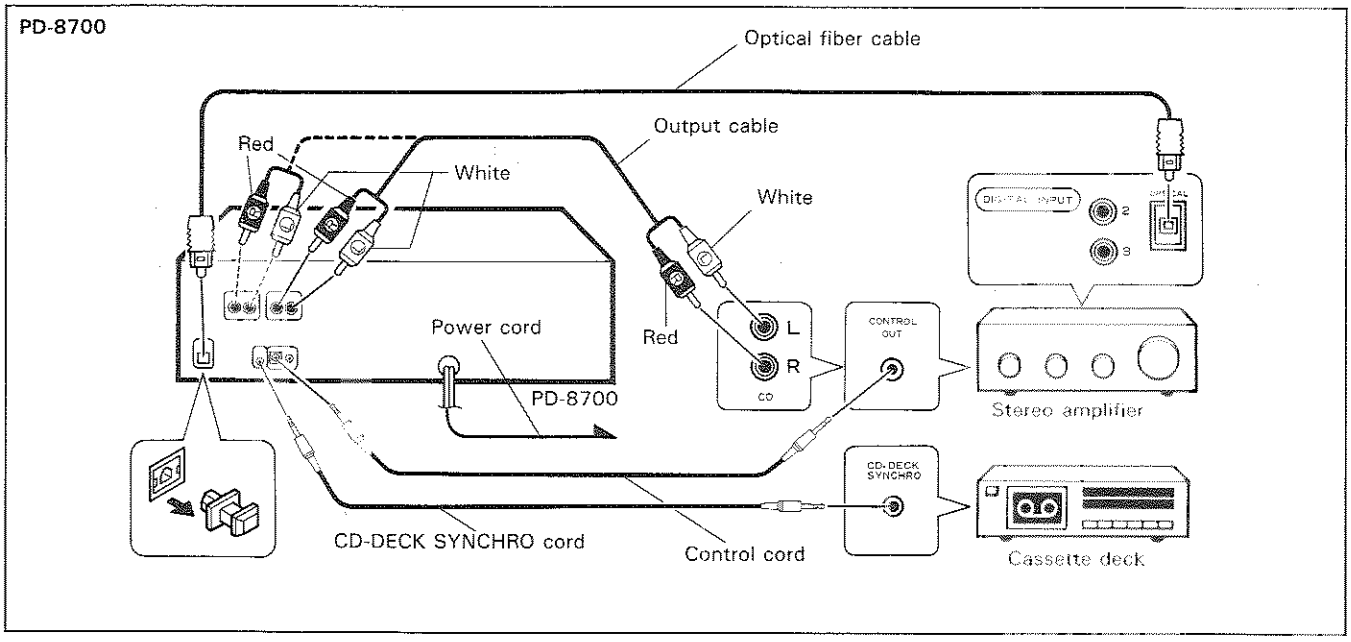


Cleaning the player

To clean the front panel and unit housing, wipe with a soft, dry cloth. For stubborn dirt, wet a soft cloth with a mild detergent solution, wring well, then wipe off the dirt. Also use a dry cloth to wipe the surface dry. Do not use volatile liquids such as benzene or thinner which are harmful to the unit.

CD lens cleaner

The player's pickup lens should not become dirty in normal use, but if for some reason it should malfunction due to soiling, ask your nearest PIONEER authorized service center. Lens cleaners for CD players are commercially available, but special care should be exercised in their use since some may cause damage to the lens.



CONNECTING THE OUTPUT CABLE:

Connect the plugs on one end of the cable to your amplifier's input terminals (CD or AUX), and those on the other end to the output terminals on this CD player.

- When connecting the cord, insert the white plugs into the left (L) channel, and the red plugs into the right (R) channel.
- Be sure to connect all plugs fully into their terminals.
- Never connect the CD player to your amplifier's turntable (PHONO) terminals, since sound will be distorted and proper playback will not be possible.

[PD-8700 only]
The unit is equipped with two sets of output connectors in order to provide VARIABLE and FIXED output levels. Connect the appropriate set of connectors to your amplifier's INPUT connectors. The two sets of connectors can also be used to connect the player simultaneously to two stereo amplifiers.

- When the VARIABLE connectors are used: The sound output level can be adjusted using the PHONS/LINE LEVEL control or the remote control unit's OUTPUT LEVEL buttons.
- When the FIXED terminal are used: The sound output level remains fixed; the PHONS/LINE LEVEL control and remote control unit's OUTPUT LEVEL buttons have no effect.

CONNECTING THE POWER CORD:

Insert the power cord's plug into an accessory AC outlet on your amplifier, or into a normal household outlet.
(See the section "Power cord connections and functions" on page 4).

CONNECTING THE OPTICAL FIBER CABLE:

Connect the plug of the optical fiber cable to a stereo amplifier or D/A converter equipped with a digital input connector. Do not connect this plug if not using the digital output function.

NOTES:

- *No sound will be produced if the digital output is connected to an amplifier having different optical signal standards.*
- *The sound volume control cannot be done through the digital output terminal.*

Handling precautions for the optical fiber cable (sold separately)

- Do not bend the cable at sharp angles. Doing so may damage the cable. When installing in a rack, take special care. When storing the cable for storage, coil with 5-15/16 in (15 cm) diameter or larger.
- When connecting, insert the plug fully. Avoid an incomplete connection.
- Use an optical fiber cable 10 feet (3 m) or less.
- Avoid the optical fiber cable plug being scratched or exposed to dust. If there is dust, wipe off with a soft cloth.
- When an optical fiber cable is not connected, place the attached cap on the optical terminal (OPTICAL).

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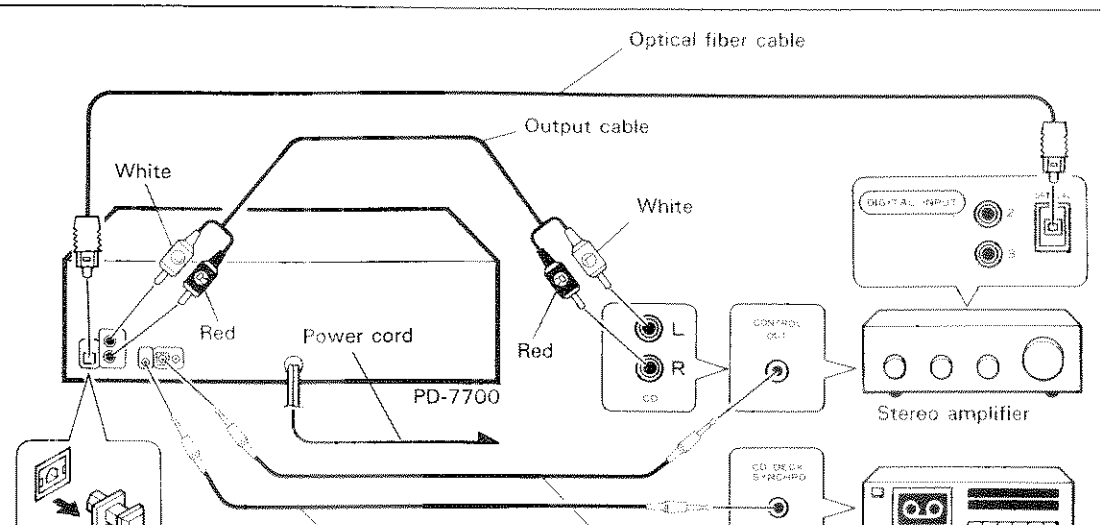


REMOTE CONTROL AMPLIFIER OPERATION:

(U.S., Canadian and Australian models only)

If your amplifier features the mark, connect the accessory control cord between the Amplifier's CONTROL OUT terminal and the CD player's CONTROL IN terminal.

- You can then use the remote control unit furnished with your amplifier to perform PLAY, PAUSE, STOP and TRACK operations on the CD player.
- For details regarding connection and operation, consult the Operating Instructions accompanying your stereo amplifier.
- These terminals do not need to be connected if you do not intend to use this function.

NOTES:

- *When the control cord is connected to the CONTROL IN terminal, the remote control unit cannot be used to control the player directly. The remote control unit must be pointed at the amplifier's remote sensor.*
- *Be sure to connect both of the control cord's plugs securely to the CONTROL IN and CONTROL OUT terminals. Do not connect only one end of the cable.*

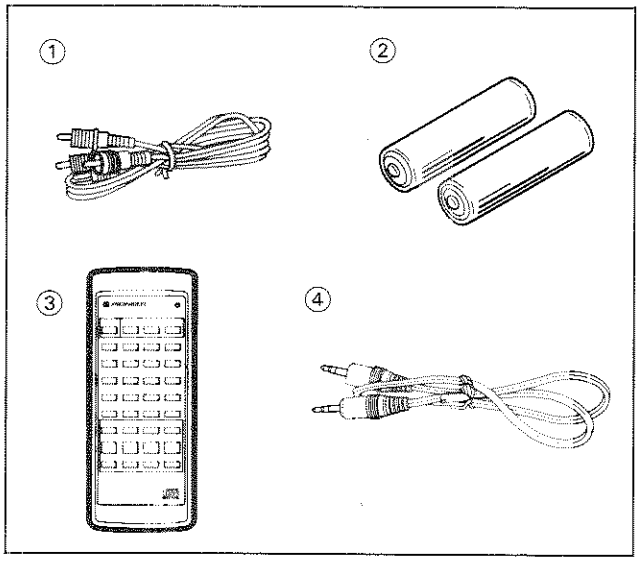
About the CD-DECK SYNCHRO recording function:

- This function facilitates edit recording from CD to cassette tape when the CD player is connected to a Pioneer cassette deck equipped with a CD-DECK SYNCHRO terminal. For details, consult the Operating Instructions accompanying the cassette deck featuring the CD-DECK SYNCHRO mark.

NOTE:

The CD-DECK SYNCHRO recording function will not operate if the digital output connector is connected alone. In order to enable this function, the normal output cable must also be connected to the stereo amplifier.

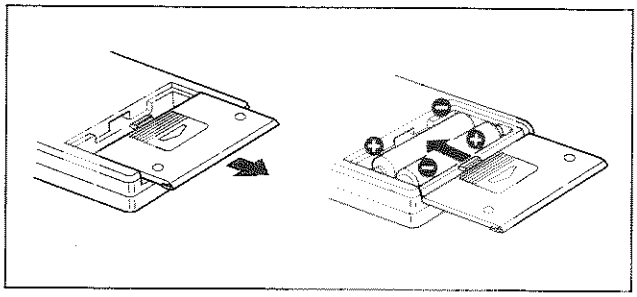
CONFIRM SUPPLIED ACCESSORIES



① Output cable
② "AAA" (R03) batteries
③ Remote control unit
- The remote control unit and batteries are located behind the foam packing.

④ Control cord (U.S., Canadian and Australian models only)

PUT BATTERIES INTO REMOTE CONTROL UNIT



Open the lid of the battery compartment on the rear of the remote control unit, and insert the batteries, taking care to align the (+) and (−) polarities correctly.

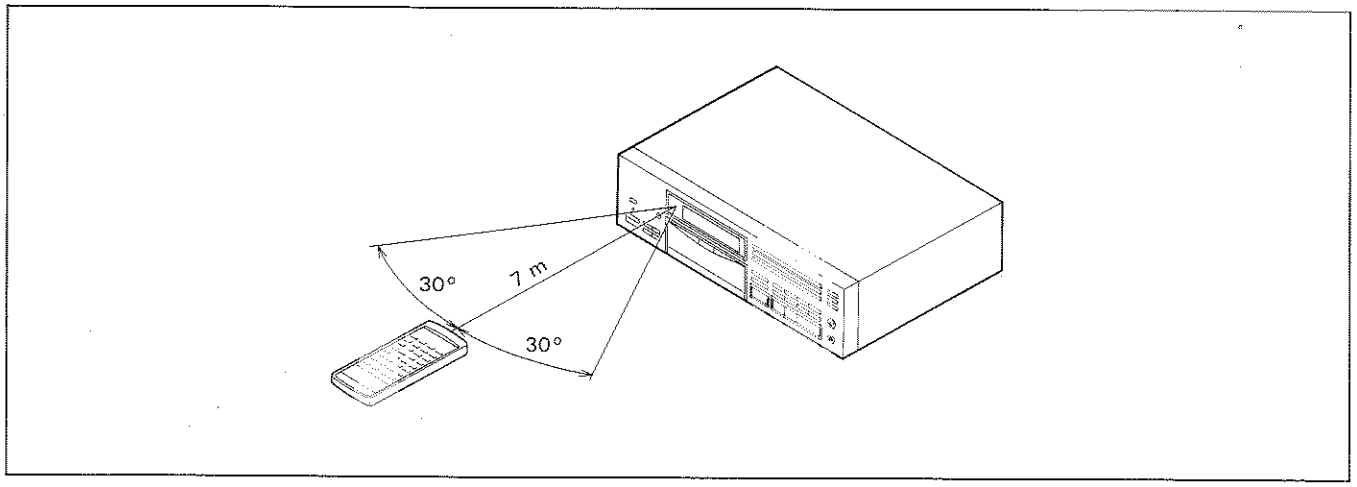
NOTES:

- *In order to prevent battery leakage, remove the batteries when not using the remote control unit for an extended period (one month or more). In the event of battery leakage, carefully wipe away any battery fluid inside the compartment, and replace the batteries with new ones.*
- *Do not allow books or other objects to rest on top of the remote control unit, since the buttons may be depressed, causing faster exhaustion of the batteries.*

Improper use of batteries can cause dangerous leakage or rupture. Be sure to observe the following safety points:

- Insert batteries with positive (+) and negative (−) polarities aligned correctly as shown inside the battery compartment.
- Do not mix new and used batteries.
- Even batteries of the same type may have differing voltages depending on the manufacturer. Do not mix different types of batteries.

REMOTE CONTROL OPERATIONS



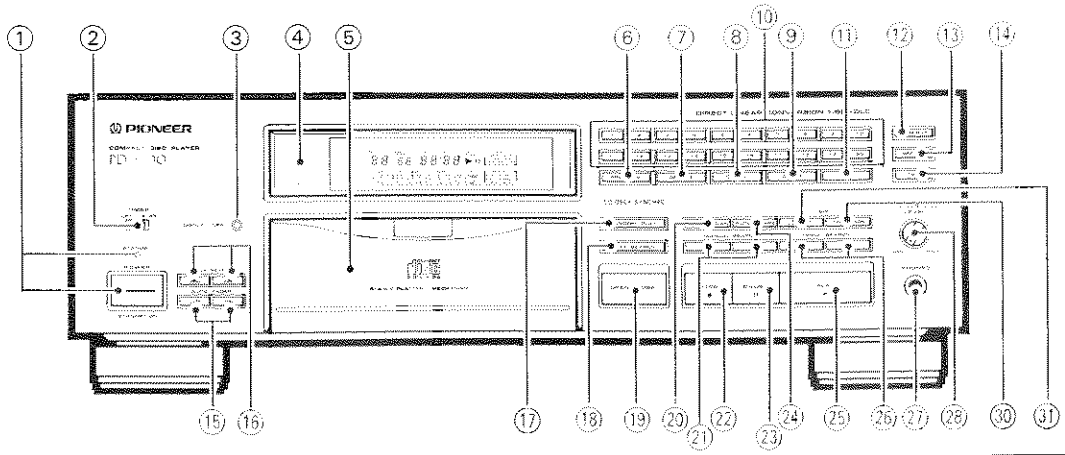
When operating the remote control unit, point the unit's infrared signal transmitter at the remote control receiver (REMOTE SENSOR) on the front panel of the player. The remote control unit can be used within a range of about 7 meters (23 feet) from the remote sensor, and within angles of up to about 30 degrees.

NOTE:

If the remote control sensor window is in a position where it receives strong light such as sunlight or fluorescent light, control may not be possible.

PANEL FACILITIES

PD-8700



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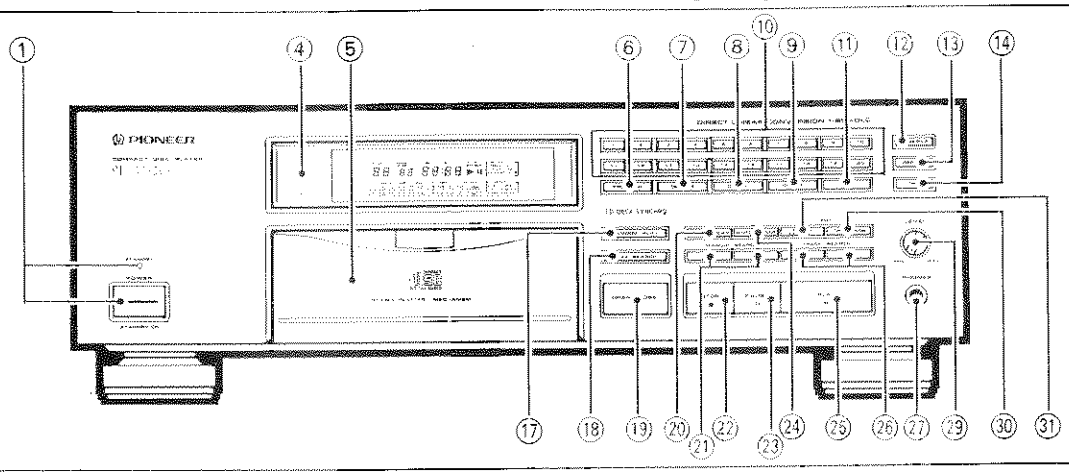
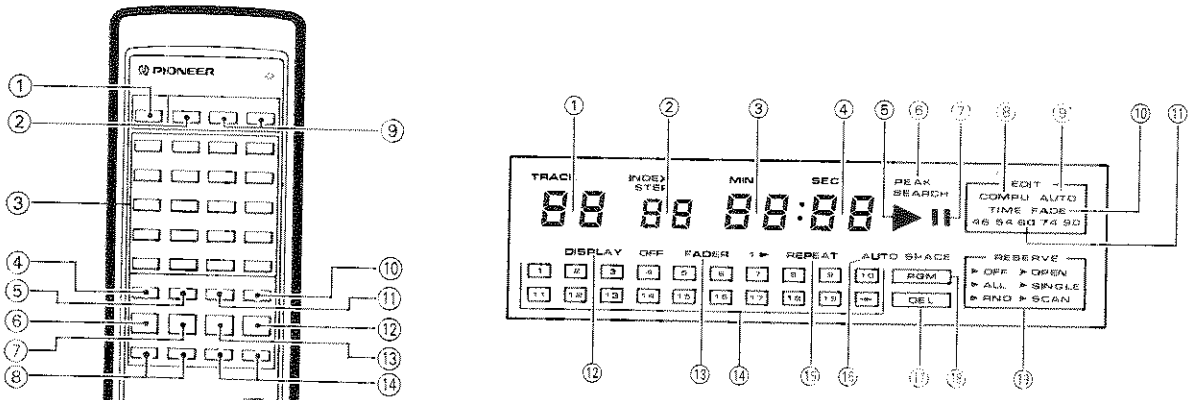


FRONT PANEL

① **POWER STANDBY/ON switch and indicator**
Press this switch to turn the power on. The unit will set to the standby mode and the STANDBY indicator will light.

② **TIMER OFF/PLAY switch (PD-8700 only)**
③ **DISPLAY OFF button (PD-8700 only)**
④ **Remote sensor**
⑤ **Disc tray**
⑥ **PROGRAM button**
⑦ **DELETE button**
⑧ **CHECK button**
⑨ **CLEAR button**
⑩ **Track number buttons (1—20)**
⑪ **>20 button**
⑫ **RESEVRE button**
⑬ **REPEAT button**
⑭ **TIME button**
⑮ **AUTO FADER buttons (,) (PD-8700 only)**
⑯ **INDEX SEARCH buttons (,) (PD-8700 only)**
⑰ **RANDOM PLAY button**
⑱ **PEAK SEARCH button**
⑲ **OPEN/CLOSE button**
⑳ **HI-LITE SCAN button**
㉑ **MANUAL SEARCH buttons (◀◀, ▶▶)**
㉒ **STOP button (■)**
㉓ **PAUSE button (▮▮)**
㉔ **AUTO SPACE button**
㉕ **PLAY button (▶)**
㉖ **TRACK SEARCH buttons (|◀◀, ▶▶|)**
㉗ **Headphones jack (PHONES)**
㉘ **Headphones/line volume control (PHONES/LINE LEVEL) (PD-8700 only)**
㉙ **Headphones volume control (PHONES LEVEL) (PD-7700 only)**
㉚ **TIME FADE EDIT button**
㉛ **Program edit button (EDIT) (■ COMPU/ ■■ AUTO)**



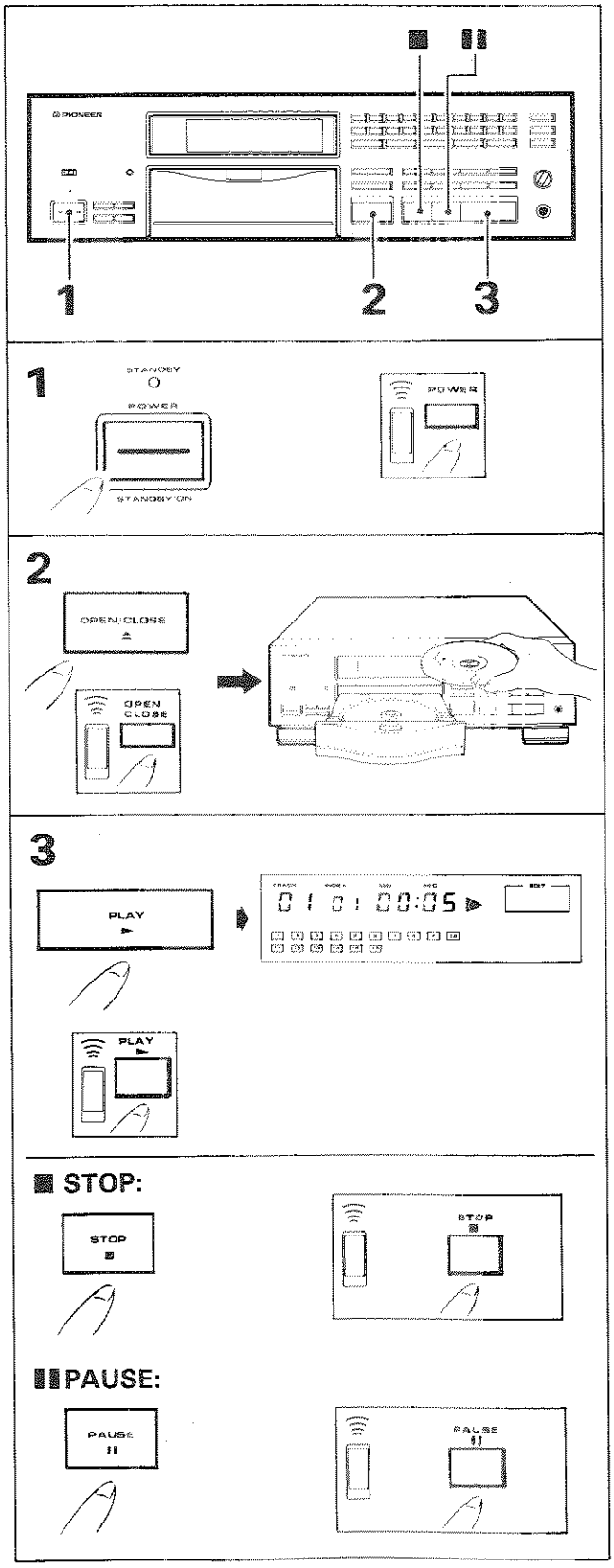
REMOTE CONTROL UNIT

Buttons listed here but not accompanied with explanations have the same functions as the corresponding front panel buttons.

① **POWER button**
② **OPEN/CLOSE button**
③ **Track number buttons (1—20)**
④ **HI-LITE SCAN button**
⑤ **RESERVE button**
⑥ **RANDOM PLAY button**
⑦ **STOP button (■)**
⑧ **Manual search buttons (MANUAL ◀◀, ▶▶)**
⑨ **OUTPUT LEVEL buttons (−, +)**
⑩ **>20 button**
⑪ **PROGRAM button**
⑫ **PLAY button (▶)**
⑬ **PAUSE button (▮▮)**
⑭ **Track search buttons (TRACK |◀◀, ▶▶|)**

DISPLAY

① Displays track numbers (01—99) during playback or track search.
② Displays index numbers (sub-divisions of tracks); during program input, indicates program steps.
③ Displays track playing time and remaining time (minutes).
④ Displays track playing time and remaining time (seconds).
⑤ Lights during playback.
⑥ Lights when peak volume levels on the disc are detected.
⑦ Lights during playback pause.
⑧ Lights during use of computer allocated program editing or auto program editing.
⑨ Lights during auto program editing.
⑩ Lights during time fade editing.
⑪ Indicates the editing time.
⑫ Lights when display is in OFF mode. (PD-8700 only)
⑬ Lights during operation of fade function.
⑭ Calendar display. Lighted numbers indicate total number of tracks on the disc (during program input and program playback, indicates programmed tracks). When a track completes playback, the corresponding lighted number goes out. Arrow mark [➡] lights for tracks higher than "19".
⑮ Lights during repeat playback. (During single-track repeat, the [1▶] indicator also lights).
⑯ Lights during auto space.
⑰ Lights during delete mode.
⑱ Lights during program mode.
⑲ When "reserve" function is activated, these indicators light in correspondence to the reserved functions (OFF, OPEN, ALL, SINGLE, RND, SCAN).



Operations indicated by the [ ] mark are performed with the remote control unit.

To play a compact disc

1. Press the POWER switch to turn on power to the player.
2. Press the OPEN/CLOSE button.
   - Place compact disc on tray, label side down.
3. Press the PLAY button.

To temporarily interrupt playback:

- During playback, press the PAUSE button (the PAUSE indicator [II] will light).
- To recommence playback, press either the PAUSE button again, or the PLAY button.

To stop playback:

- Press the STOP button.

To remove a disc

- Reverse the procedures for disc loading.

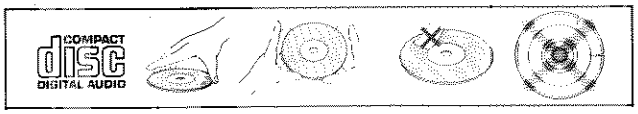
1. Press the OPEN/CLOSE button.
2. Remove the disc and return it to its protective case.
3. Press the OPEN/CLOSE button to close the disc tray.
4. Press the POWER switch to turn off the power.
   - If the power switch is turned off when the disc tray is open, the disc tray will close and the player will enter the stand-by mode.

NOTE:

Demo mode allows you to see variaton of the display. To enter the demo mode, press the POWER and then [⏮] button within 1 second without inserting the disc. To exit demo mode, press any button.

Regarding handling of compact discs:

- This player is designed to play back compact audio discs featuring the mark shown below.
- When holding discs, do not touch their signal surfaces. Hold the edges, or one edge and the center hole.
- Do not affix tape or seals to the disc's label surface, and take care to avoid scratching either of the disc's surfaces.
- Discs revolve at high speeds inside the player; do not attempt to play discs which are damaged (cracked or severely warped discs).



NOTE:

- *When setting an 8 cm CD single, do not use the 8 cm CD single adapter.*
- *Be sure to insert discs with the label surface facing down.*
- *Do not touch the disc's signal surface (the side reflecting a "rainbow" pattern, opposite the label side).*
- *Never attempt to load both 8 cm and 12 cm discs together, since disc damage or other malfunctions may result. Always load only one disc at a time.*

TIMER START

PD-8700:
Connect the player to a commercially available audio timer, set the player's TIMER switch to the ON position, and load a compact disc. When the audio timer turns on the power, playback will begin automatically from track 1 (normal playback).
If the TIMER switch is set to the OFF position, the player will enter the standby mode when the power turns on, regardless of whether a disc has been loaded or not. Use of an audio timer is a convenient way to begin playback at a specific time.

PD-7700:
Connect the player to a commercially available audio timer, and load a compact disc. When the audio timer turns on the power, playback will begin automatically from track 1 (normal playback).
If no disc has been loaded, the player will enter the standby mode when the power turns on. Use of an audio timer is a convenient way to begin playback at a specific time.

NOTES:

- *[PD-8700 only]:*
  When the player is connected to an audio timer, if the player's TIMER switch is set to ON with no disc loaded, the power will remain on when the TIMER turns on the power. If you do not wish to use the player, press the power switch to set the player to standby mode.
- *If one of the player controls is operated after the timer turns on the player's power but before automatic playback begins, timer-start playback will be canceled.*

DISPLAY OFF button (PD-8700 only)

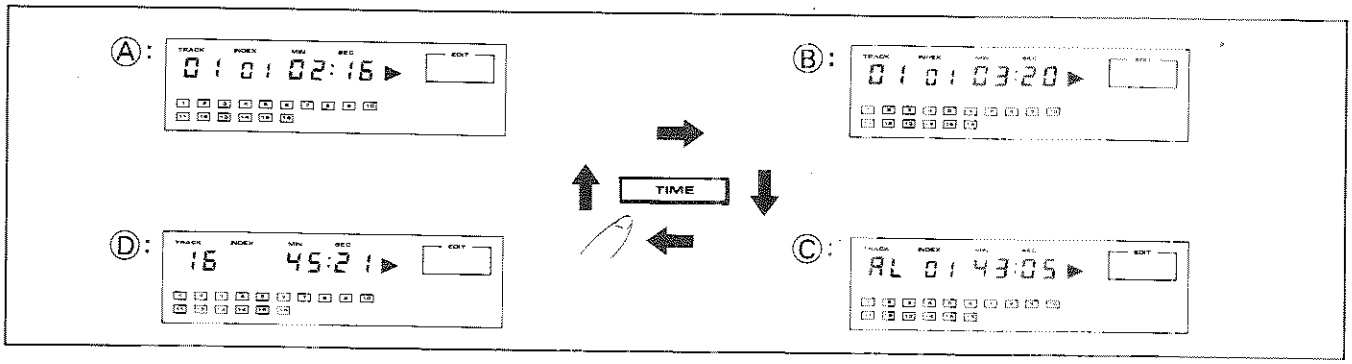
Pressing the DISPLAY OFF button selects the DISPLAY OFF mode; in this mode, all displays are turned off during playback. This function eliminates the use of unnecessary circuits, thus preventing any adverse effect on playback sound quality.

- The display window will light while the player is in the stop mode; when the PLAY button is pressed to begin playback, however, all indicators on the display will disappear.
- The display window will light once again when playback is stopped. During playback, the display will light for several seconds if any of the player's controls are operated.
- To cancel the Display Off mode, press the DISPLAY OFF button once again.

To adjust the headphones sound volume

Rotate the PHONES control (PD-7700) or the PHONES/LINE control (PD-8700). Sound volume will be increased when the control is rotated toward the MAX direction, and it will decrease when the control is rotated toward MIN.
When using the remote control unit, sound volume is increased by pressing the output level "+" button and reduced by pressing the "–" button.
[PD-8700 only]:
When the rear-panel LINE OUT VARIABLE connectors are used to connect the player to your stereo amplifier, the player's controls can be used to control CD playback sound volume, even when the stereo amplifier's volume control is left unchanged.

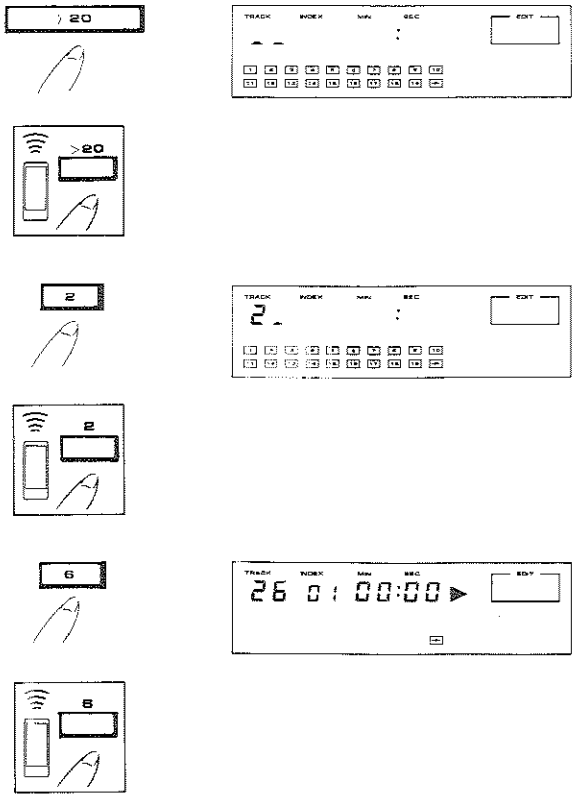
Using the time button



To check the playing time:
Each time the TIME button is pressed, the display changes in the order Ⓐ → Ⓑ → Ⓒ → Ⓓ as noted below:
Ⓐ : Elapsed playing time.
Ⓑ : Remaining time of current track.
Ⓒ : Remaining time of all tracks remaining on disc.
Ⓓ : Total time of all tracks on disc.

- With track No.30 or more, the REMAIN time "Ⓑ" will not be shown.
- During programmed playback, the "Ⓒ" display will show the remaining time of all tracks programmed. The "Ⓓ" display will show the total playing time of all tracks programmed.
- Each time a selection is programmed, the display will show the programmed number and the total playback time. When the total playback time exceeds 100 minutes or when any part of the 30th and subsequent selections on a disc is programmed, the display will not show the total playing time.
- During random playback, the "Ⓒ" display will not be shown.

To begin playback from a particular track

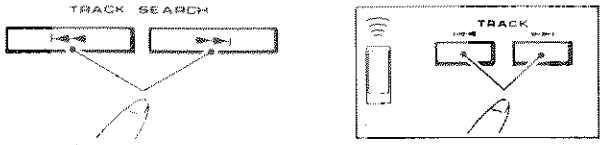


- Using the number buttons to select track numbers.
  Use corresponding buttons to select tracks 1—20.
  Use the [>20] button to select tracks 21 and above.

  Example: To designate track 26, press [>20] [2] [6].

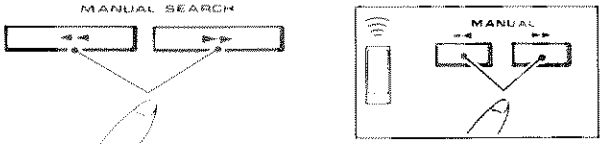
NOTE:
Press each number button within five seconds of the last button.

During playback of one track, to advance immediately to the next track (track search)



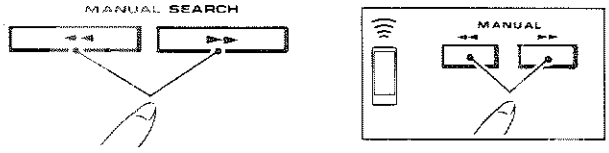
- When the [▶▶|] button is pressed, playback will be advanced to the next track. By holding the button pressed, playback will continue to advance to further tracks in order.
- When the [|◀◀] button is pressed, playback will return to the beginning of the currently playing track. By holding the button pressed, playback will be returned to the beginning of earlier tracks, in decreasing order.

To start fast forward or fast reverse during playback (manual search)



- The playback will be fast forwarded so long as the [▶▶] button is held pressed. Fast reverse will continue so long as the [◀◀] button is held pressed. If the disc is fast forwarded to the end of all tracks on the disc, the [End] will be displayed, and the unit will enter the pause mode.

To begin playback from a desired position on a disc (time location)



If the [▶▶] or [◀◀] button is pressed when the player is in the stop mode, the playback start position can be changed in units of individual seconds. If the button is held depressed, the time will change in 10-second units, beginning slowly and gradually changing faster. When the [▶▶] button is pressed, the playback start time is incremented; when the [◀◀] button is pressed, the start time is decremented. By using this function in conjunction with the track search buttons [▶▶|] and [|◀◀], playback can be started from any desired time within any disc track.
After selecting the playback start time, press the PLAY button to begin playback at the designated point.

NOTES:
- *When no start time is designated, playback will begin from the beginning of the track.*
- *If the selected playback start position occurs after 29th track, playback will not commence from that point, but from the start point of the track in which it occurs.*

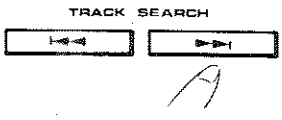
To advance (return) to the next (previous) index number (PD-8700 only)

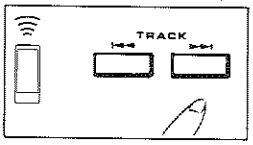
- To advance to the next index number, press the [⏭] button; if the button is held depressed, the track playback will be advanced continuously to subsequent index numbers.
- To return to the beginning of the current index number, press the [⏮] button; if the button is held depressed, the track playback will be returned continuously to previous index numbers.

NOTES:

- *Index numbers are special signals pre-recorded on tracks to indicate further subdivision of the tracks. Not all discs are recorded with index numbers; those so recorded will be indicated by the word "INDEX" in the album notes.*
- *If the specified index number dose not exist, the playing will search for index 1.*

To display the playing time of a particular track

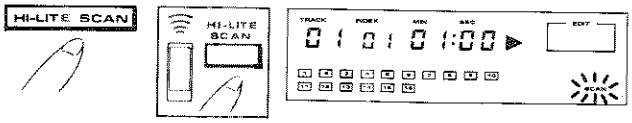




- Before beginning or after stopping playback, press the [⏭] button to display the playing times of the tracks in order, beginning with track 1 (playing times of tracks 30 and above are not displayed).

HI-LITE SCAN (with auto fader function)

This function allows you to quickly sample a short part of each track on a disc.
Press the HI-LITE SCAN button when the player is in the stop mode.



- The sound will fade-in at a point about one minute into the first track, then fade out about ten seconds later. The same cycle will then occur on the second and subsequent tracks of the disc, fading in and out until all tracks have been sampled.
- To change the starting point for hi-lite scan, play back the disc normally and press the HI-LITE SCAN button at the desired part of a track. The hi-lite scan function will operate for ten seconds from that point, then the sound will fade-out and the scan will move to the next track. If the function is initiated from the beginning of a track, fade-in will not occur at the beginning of each 10-second segment.
- If a track is less than one-minute long, or shorter than another selected starting point, the hi-lite scan will be performed from the beginning of the track.
  If a track is shorter than ten seconds in length, the entire track will be played.

To repeat playback (repeat play)

- Press the REPEAT button.
  When pressed once, a single track will be repeated.
  (The [1 ▶ REPEAT] indicator will light.)
  When pressed twice, all tracks will be repeated.
  (The [REPEAT] indicator will light.)
  In the all-track repeat mode, programmed play, random play and programmed random play, hi-lite scan will be repeated.
- To cancel the repeat playback mode, press the REPEAT button again.

To choose random selection of the playback order (random play)

- Press the RANDOM PLAY button.
  When all tracks of the loaded disc have been played, playback will automatically stop.
  If specific tracks have been programmed, only those programmed tracks will be played (Program random play).

To search for the peak volume level within a disc (peak search)

This function can be used to find the peak sound volume within a disc (This function is helpful when setting the optimum recording level.)

1. With the player in the stop mode, press the PEAK SEARCH button.

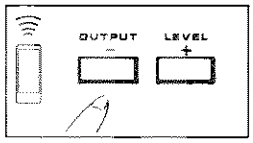
- The disc will be played back in fast-forward mode as the player searches for the peak level on the disc. A 60-minute CD will require about one minute to search for the peak level. If programmed playback has been selected, the peak search function will search only those tracks programmed. If the delete function has been used, only those tracks not deleted will be searched.
- When the disc's peak level is found, the player will play back a six-second (approximate) portion of the disc including the peak level. If the peak level occurs at the very beginning of a track, about three seconds only will be played back repeatedly. Use this playback portion to set your tape deck to its optimum recording level.
- To release the peak search function, press the STOP button.

2. Begin recording on your cassette deck, and press the player's PLAY button.

To insert a three-second interval between tracks when recording to cassette tape

- Press AUTO SPACE button. When this is done, a silent three-second interval will be recorded automatically between tracks, thus assuring that the music search function operates correctly. The auto space function can be used during repeat play, random play and programmed play as well.

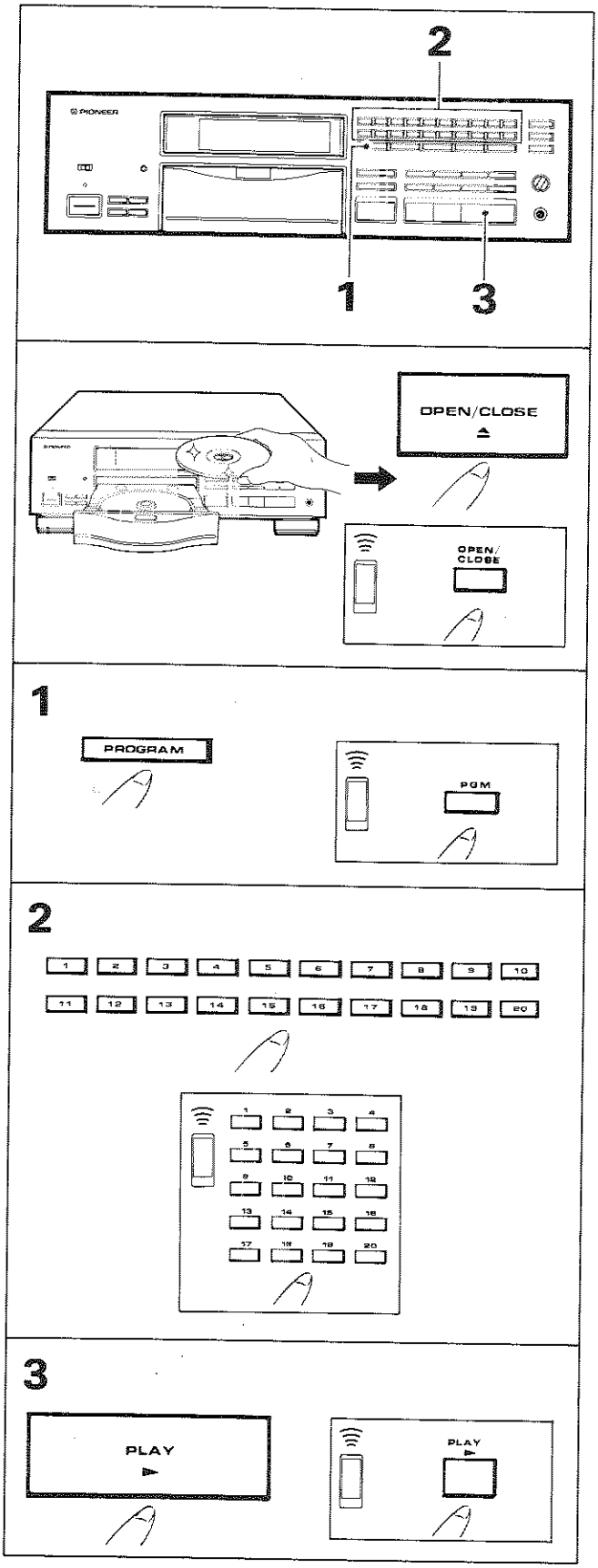
Adjusting the sound volume



When the "–" side is pressed, the sound volume will be decreased by a small amount; when the "+" is pressed, sound volume will be increased by the same amount.

- The sound volume can be adjusted within the range 0dB to –25dB.
- As long as the tray is not opened, adjusted volume level will be retained even if the power is turned off.
  However, if the power is turned off with an audio timer or unplugging the power cord, adjusted volume level will be erased.

TO SELECT PLAYBACK OF TRACKS IN A SPECIFIC ORDER



Inputting the playback program

1. **Press the PROGRAM button.**
   - The PGM indicator lights.
2. **Use the number buttons to select the numbers of the desired tracks, in the order you want playback to proceed.**
   - Up to 24 tracks (steps) can be programmed.
3. **When the PLAY button is pressed, the selected tracks will be played back in the order in which they were programmed.**
   - As long as the tray is not opend, the program contents will not be erased even if the power is turned off.
     However, if the power is turned off with an audio timer or unplugging the power cord, the program contents will be erased.

NOTES:

- *Pressing the PROGRAM button during normal playback and entering a program will automatically start the program after the currently-playing track ends. Also, if the PLAY button is pressed during playback, the program will start immediately.*
- *Each time a selection is programmed, the display will show the programmed number and the total playback time. When the total playback time exceeds 100 minutes or when any part of the 30th and subsequent selections on a disc is programmed, the display will not show the total playing time.*

About the direct program function

1. **Press the PROGRAM button to enter the program mode.**
2. **With the player in the program mode, use the hi-lite scan function to move from track to track; when the scan reaches a track you wish to program, press the PROGRAM button while the hi-lite scan is playing back the track. In this way, the currently playing track can be programmed without using the track number buttons.**
3. **If you wish to program the track currently playing, press the PROGRAM button while the track is playing.**

About the pause program function

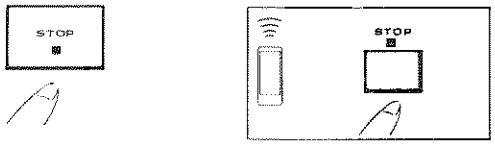
When the player is in the stop mode, a "pause" can be programmed in place of a track number. When the PAUSE button is pressed, a "PA" will appear on the display instead of a track number.

How to use the pause program function:
After recording one side of a cassette tape, you may wish to pause the CD playback to allow you to reverse the tape. The pause program function can be used to pause the CD playback after the last track on one side of tape, thus giving you time to reverse the tape before recommencing CD playback.

NOTES:

- *A pause cannot be programmed as the first step (01) of a program, nor can it be programmed twice in succession.*
- *If a pause is programmed as the last step of a program, the player will not enter the pause mode.*

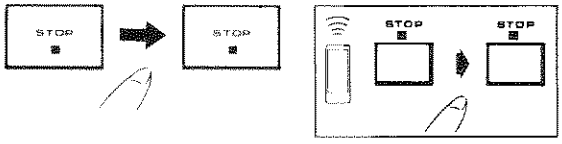
To stop programmed playback



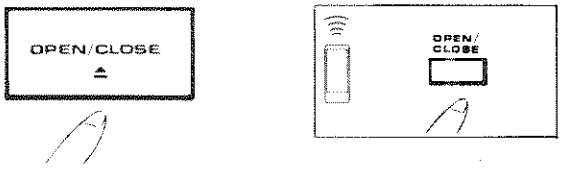
- When the STOP button is pressed, the programmed playback will stop (Program stop mode).

To erase the program memory

Ⓐ:



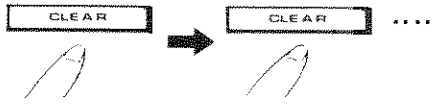
Ⓑ:



Ⓐ : Press the STOP button to interrupt the programmed playback, then press the STOP button once again. The contents of the program memory will be erased.

Ⓑ : The program memory will also be erased by pressing the OPEN/CLOSE button to open the disc tray when removing a disc.

To erase a program

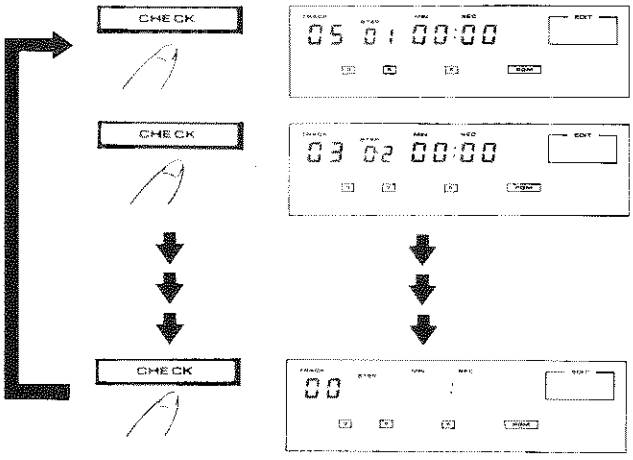


- The programmed tracks will be erased, beginning with the last programmed, in accordance with the number of times the CLEAR button is pressed.

NOTE:

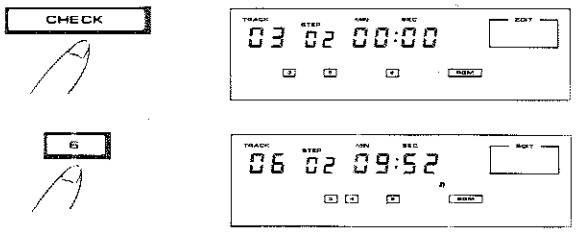
Contents of a program can be erased during playback as well. However, tracks preceding the currently playing track cannot be erased in this way.

To confirm contents of the programmed memory



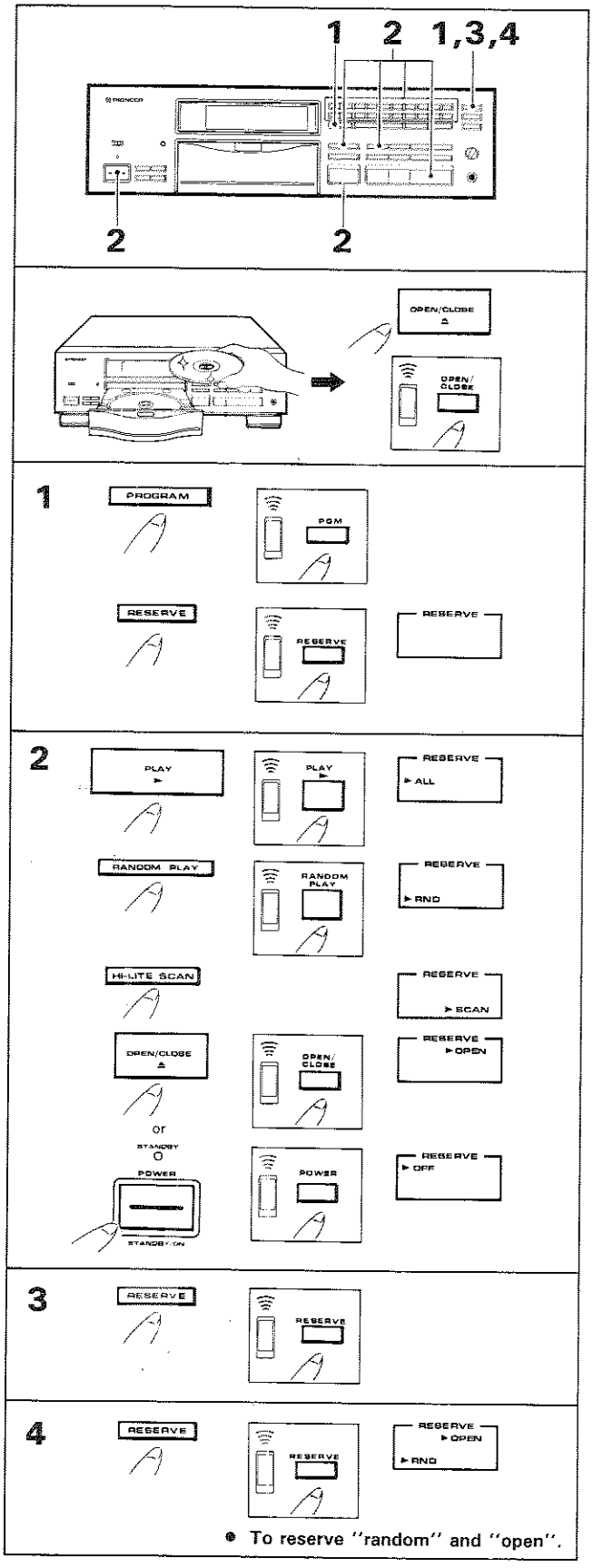
1. **With the player in the program stop mode, press the CHECK button.**
   - Each time the button is pressed, the programmed tracks will be displayed in the order they were programmed.
2. **After confirming the last track programmed, the track number display will show "00".**
3. **When the CHECK button is pressed again, the display will return to that shown in step 1.**

To change the contents of programmed tracks already input



1. **With the player in the program stop mode, press the CHECK button.**
   - Continue pressing the CHECK button until the track number to be changed is displayed.
2. **Use the number buttons to input the new track number desired.**
   - Repeat steps 1 and 2 to change other tracks as desired.
   - Use the program check operation to advance to the track number to be changed, then use the number buttons to input the new programmed track.

TO PRE-PROGRAM OPERATIONS IN DESIRED ORDER



● To reserve "random" and "open".

PRE-PROGRAMMING ("RESERVE") OPERATIONS

This function allows you to pre-program player operations to allow simplified operation of a set pattern of playback. For example, if you always perform random playback followed by a disc change, you can pre-program these two operating buttons (RANDOM PLAY + OPEN/CLOSE), thus allowing you to perform both with a single control.

Operating functions which can be pre-programmed include normal playback, random playback, or hi-lite scan, together with opening the disc tray after completion of playback, and power off.

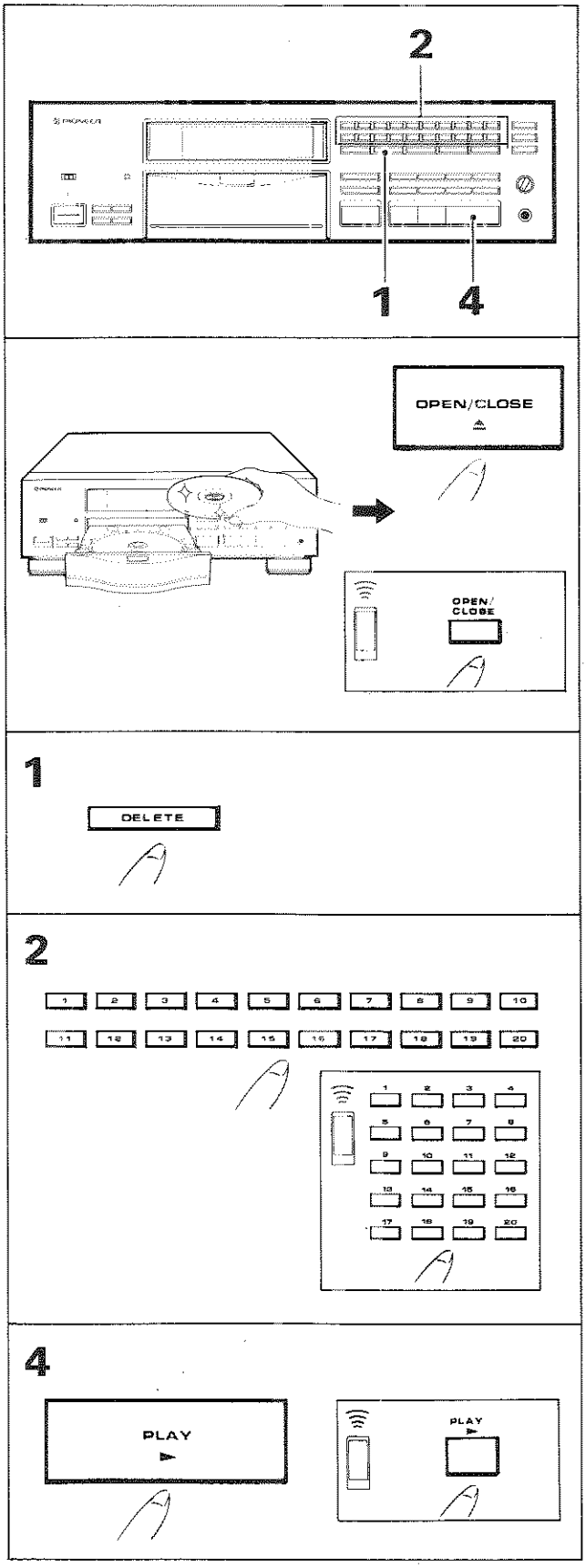
To pre-program operations

1. **With the player in stop mode, press the PROGRAM button, followed by the RESERVE button.**
2. **To designate the type of playback, press either the PLAY button, RANDOM PLAY button, or the HI-LITE SCAN button.**
   As a final step, the OPEN/CLOSE or power OFF button can be selected as well.
   - The reserve indicator will light for the type of playback selected, and playback will begin.
     PLAY button ..... ALL
     RANDOM PLAY button ..... RND
     HI-LITE SCAN button ..... SCAN
     OPEN/CLOSE button ..... OPEN
     POWER switch ..... POWER
   - Up to five steps (functions) can be pre-programmed in this way.
   - The disc tray OPEN/CLOSE and power OFF functions cannot be selected simultaneously. No subsequent steps can be programmed after one of these functions is selected.
   - To cancel the reserved contents, perform step 1 above, then press the CLEAR button; all pre-programmed contents will be erased.
3. **After completing your selection of pre-programmed functions, press the RESERVE button to complete the process.**
4. **Thereafter, the pre-programmed operating sequence will begin whenever the RESERVE button is pressed, and the player will stop when the pre-programmed operation is concluded.**

To pre-program desired tracks

Desired tracks can be selected with the hi-lite scan function, then "reserved" to allow automatic playback.

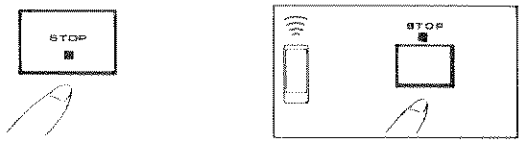
1. **Press the HI-LITE SCAN button, followed by the RESERVE button.**
2. **Press the track number button corresponding to the desired track. Playback will begin automatically as soon as HI-LITE SCAN is completed. Up to 8 tracks can be pre-programmed in this way.**



To designate tracks you do not want to play (delete program playback)

1. **With the player in the stop mode, press the DELETE button.**
   - The DEL indicator lights.
2. **Press the track number buttons corresponding to the tracks you do not wish to hear.**
   - The [⏮] and [⏭] buttons can be used in place of the track number buttons. Press the [⏮] or [⏭] buttons to select the track number you wish to delete. Then press the DELETE button.
   - If you wish to delete more than 21 tracks, see the section "To begin playback from a particular track"
   - Up to 24 tracks can be deleted.
3. **Repeat step 2 for each track you wish to delete.**
4. **Press the PLAY button to begin playback.**
   - All tracks except those designated will be played back in order. The player will stop after all tracks are played back.

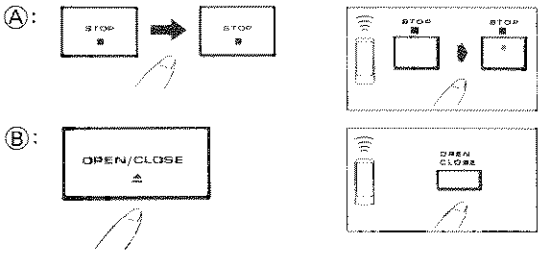
To stop delete playback



- Press the STOP button to cancel delete playback.
- The delete program contents will be maintained in memory so long as the disc tray is not opened (even if the power switch is turned off). The delete program will be erased from memory, however, if the power cord is disconnected, or if an audio timer is used to turn off the power.

NOTE:
The delete function cannot be used during normal program input.

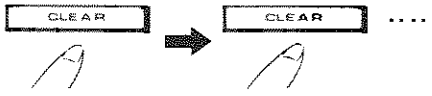
To erase the contents of the delete program



Ⓐ : Press the STOP button to stop delete program playback, then press the STOP button once again to erase the program contents.

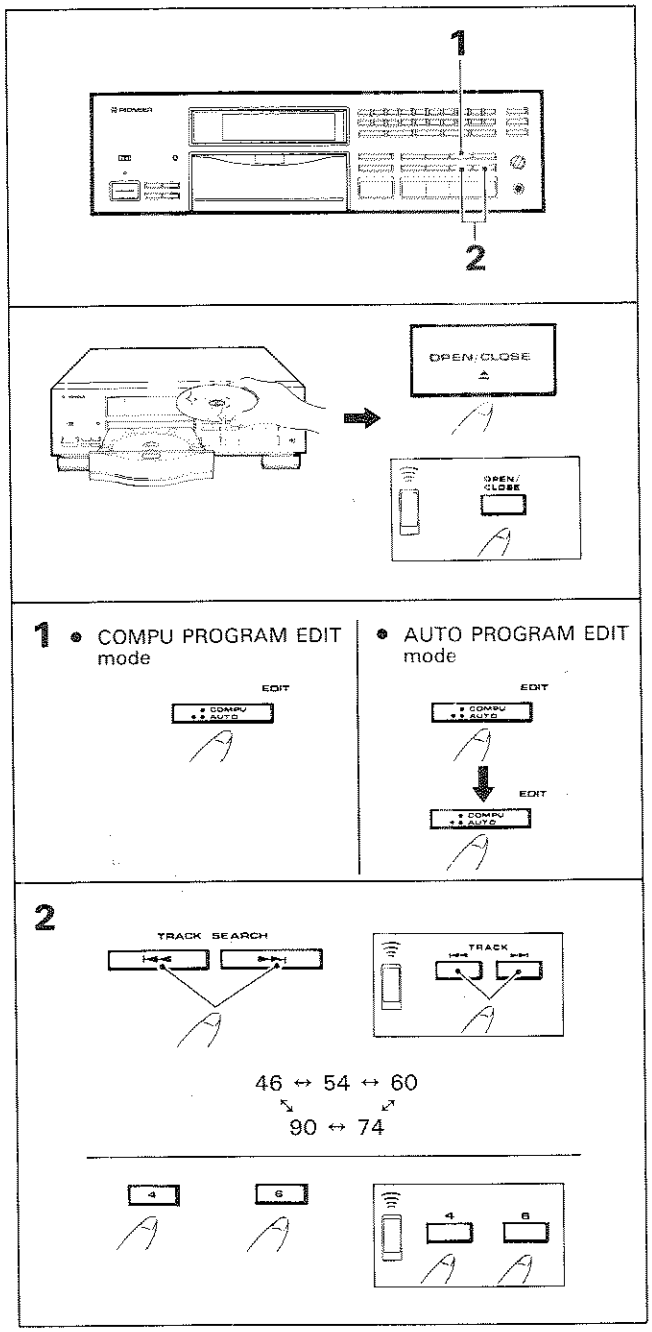
Ⓑ : Press the OPEN/CLOSE button to open the disc tray; the delete program contents will be erased.

To cancel individual tracks from the delete program

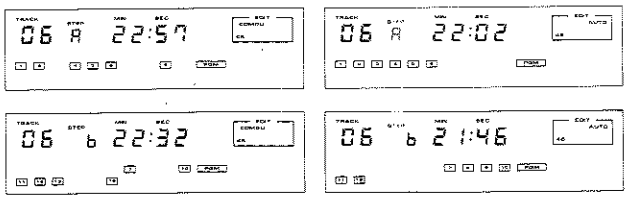


- Press the CLEAR button for each track you wish to clear from the program. Each time the button is pressed, one track will be restored from the delete program, beginning with the last track programmed.

TO PLAYBACK A CD TO MATCH THE LENGTH OF A CASSETTE TAPE



Ⓐ : COMPU PROGRAM EDIT Ⓑ : AUTO PROGRAM EDIT



NOTES:

- *Up to 24 steps can be programmed.*
- *A disc which contains more than 24 tracks sometimes cannot be programmed properly.*

- This function is convenient when recording the contents of a CD onto a cassette tape.

WHAT IS COMPU PROGRAM EDIT?

This function automatically rearranges the order in which tracks are played back, so as to allow the closest possible matching of playback time to the time designated.
The unit will automatically select the tape length (46, 60, or 90 minutes) which will allow recording of all the tracks on the disc, then program the tracks.

WHAT IS AUTO PROGRAM EDIT?

This function programs the playback of the number of CD tracks (beginning with the first and progressing in order) that can be contained within the time designated.

1. Press the COMPU/AUTO EDIT button.

- When the button is pressed once, the player will enter the Compu Program Edit mode.
- When the button is pressed twice, the player will enter the Auto Program Edit mode.

In about three seconds, the unit will program the recording order to match the length of tape which will hold all the tracks.

To perform compu program edit by designating the length of tape to be used

When the TRACK SEARCH buttons are used:

1. Press the COMPU/AUTO EDIT button.

- When the button is pressed once, the player will enter the Compu Program Edit mode.
- When the button is pressed twice, the player will enter the Auto Program Edit mode.

2. Press the [⏮] or the [⏭] buttons to set the length (time) of the tape desired.

- Each time the buttons are pressed, the time setting will change in the following order:

46 ↔ 54 ↔ 60 ↔ 74 ↔ 90 Unit: Minutes

NOTE:

After using the TRACK SEARCH buttons to input the tape length, the number buttons cannot be used to input times. However, the [>20] button can be used to input times with the number buttons.

When the number buttons are used:

1. Press the COMPU/AUTO EDIT button.

- When the button is pressed once, the player will enter the Compu Program Edit mode.
- When the button is pressed twice, the player will enter the Auto Program Edit mode.

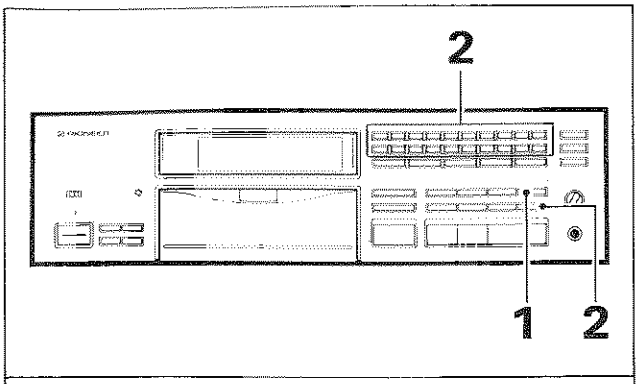
2. Press the number buttons to set the length (time) of the tape desired.

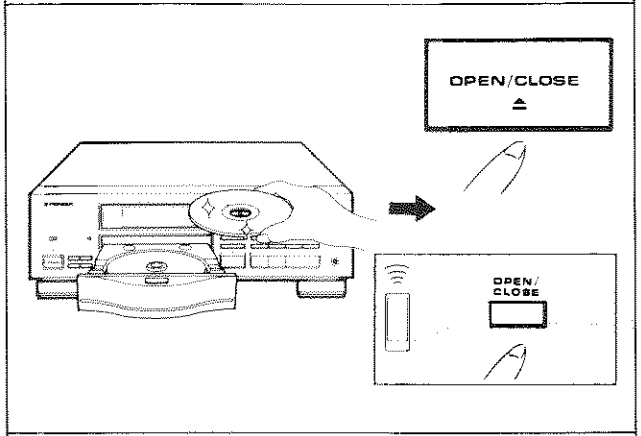
- In this way, the tracks which can be recorded on the tape's A and B sides will be automatically programmed.
- The display will first show the number of tracks and total playing time recordable on tape side A, then the number of tracks and playing time recordable on tape side B.

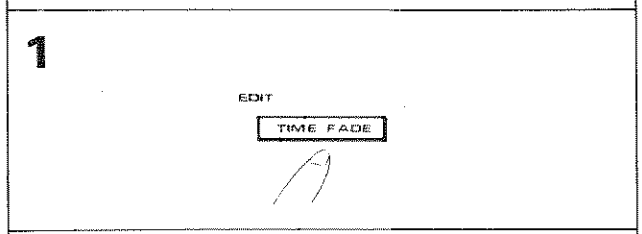
To confirm the programmed results:

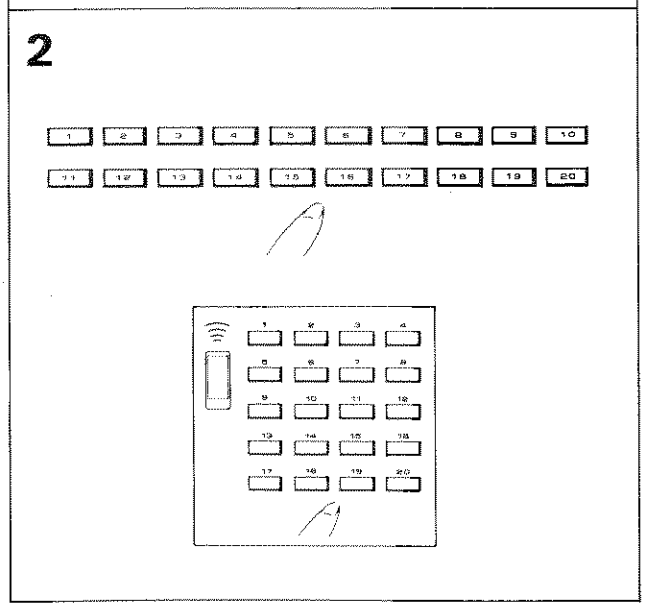
After completion of programming, press the COMPU/AUTO EDIT button; each time the button is pressed, the program results will be alternately displayed for tape sides A and B.

- As long as the tray is not opend, the program contents will not be erased even if the power is turned off.
  However, if the power is turned off with an audio timer or unplugging the power cord, the program contents will be erased.









To fade-out playback at the end of a designated time (time-fade edit)

By designating a specific time length, playback will continue for that time only; when the end of the time is reached, playback will fade out automatically and the player will enter the stop mode. This function is convenient when you wish to record the entire length of a cassette tape without any waste.
When a specific program has been input (program mode), the program will play back for the designated time; at the end of the designated time the player will fade out and enter the stop mode.

1. **With the player in the stop mode, press the TIME FADE EDIT button.**
2. **Use the number buttons (1—9) to designate the desired playing time in minutes. Buttons must be pressed twice to designate times over ten minutes. For example, to designate 23 minutes, press the "2" followed by the "3".**
   [Example] When designating 23 minutes:

The TRACK SEARCH buttons ([⏮] and [⏭]) may be used instead of the number buttons. Press the [⏮] or [⏭] buttons as required to set the desired time. Each time the buttons are pressed the time will change in the order shown:

23 ↔ 27 ↔ 30 ↔ 37 ↔ 45

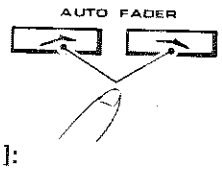
Unit: minutes

After setting the desired time, press the TIME FADE EDIT button once again.

NOTES:

- *Once the time fade edit function has begun operation, it will be canceled if the track number buttons are subsequently used to select a specific track, or if the random playback or track search functions are selected.*
- *If all tracks of a disc complete playback before the designated time is reached, the time fade edit function will be canceled.*
- *The time selected with the time fade edit function will be maintained in memory so long as the disc tray is not opened (even if the power switch is turned off). The time will be erased from memory, however, if the power cord is disconnected, or if an audio timer is used to turn off the power.*

To perform fade-in/fade-out at any desired location (digital fade-in/fade-out) (PD-8700 only)



FADE-OUT [⌐]:

Can be used during normal play, program play, or random play.

- Press the AUTO FADER [⌐] button.
  Fade-out will begin; when it is completed (no sound), the player will enter the pause mode.

FADE-IN [⌐]:

Can be used from the pause mode, including pause during the program play and random play modes.

- Press the AUTO FADER [⌐] button.
  Pause will be released and fade-in will begin until sound level is at the set volume.

NOTE:

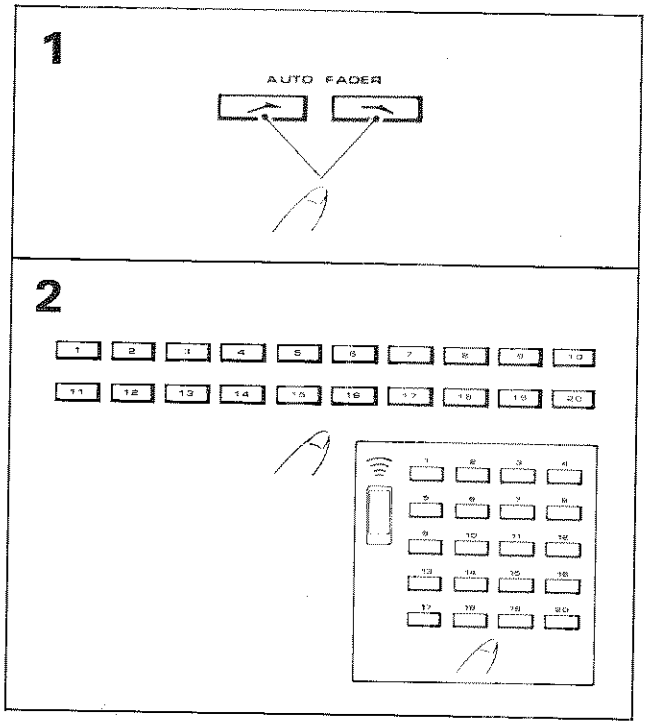
Fade in/out cannot be used during time-fade play.

WHAT IS FADE IN/OUT?

Fade-in : Playback begins with sound at an imperceptible level (silent); the sound level is gradually raised until it is at the set volume.

Fade-out : Playback begins at the set sound volume, and the sound level is gradually lowered until it is imperceptible.

To change the length of fade-in/fade-out time (variable fade) (PD-8700 only)



FADE-IN: Set at 8 seconds.

FADE-OUT: Set at 2 seconds.

The length of time required to fade in/out during use of the time-fade-edit and auto fade functions can be set between 0 and 9 seconds. When set, all fade functions will operate at the set time. Whenever power is turned on, the fade time is automatically reset to a default value of 5 seconds. All the fade in/fade out functions (except for hi-lite scanning) are set at the given default timing.

TO SET VARIABLE FADE TIME:

1. **With the unit in the stop mode, press the AUTO FADER [⌐] or the AUTO FADER [⌐] button.**
   - [FI] is displayed for "fade in;" [FO] is displayed for "fade out."
2. **Use the number buttons to select the desired time.**
   - For "0" seconds, the press [10] button.

NOTE:

- *The fade in and fade out functions during hi-lite scanning cannot be changed.*
- *When the time-fade-edit is being used, it is not possible to set the fade-in/fade-out time.*
- *When the power is turned off, the time is set at 5 seconds.*

TROUBLESHOOTING

Incorrect operations are often mistaken for trouble and malfunctions. If you think that there is something wrong with this component, check the points below. Sometimes the trouble may lie in another component. Investigate the other components and electrical appliances being used. If the trouble cannot be rectified even after exercising the checks listed below, ask your nearest PIONEER authorized service center or your dealer to carry out repair work.

Symptom	Cause	Remedy
Disc tray is not expelled when the OPEN/CLOSE button is pressed.	• Power plug is disconnected from outlet. • The POWER switch is OFF (STANDBY).	• Connect plug to stereo amplifier or wall outlet. • Press the POWER switch ON.
When playback is started, it stops immediately. **Pauses or stops playback**	• Disc is loaded upside down. • **Smudges etc., on the disc.**	• Load the disc correctly with the label side DOWN. • **Clean the smudges from the disc and then play it again.**
No sound.	• Output cords are connected incorrectly or loosely. • Incorrect operation of stereo amplifier. • Player is in the pause mode.	• Connect properly. • Check the settings of stereo amplifier switches and sound volume controls. • Press the PLAY button .
Sound is distorted, noise is output.	• Incorrect connections. • Pin plugs or amplifier input terminals are dirty. • Interference is being picked up from a TV set.	• Connect to amplifier's CD or AUX terminals etc. Do not connect to the PHONO input terminals. • Clean away dirt. • Switch OFF TV set, or move player away from TV set.
With certain discs, loud noise is produced, or play stops.	• Disc is badly scratched or warped. • Disc is extremely dirty.	• Replace the disc. • Clean the disc.
My TV set's picture is disrupted (or, my FM tuner picks up lots of noise).	• Interference is being picked up from the CD player.	• Either turn off the CD player or move the CD player farther away from the TV set (and FM tuner).
Cannot operate player with remote control unit.	• Batteries have expired. • Remote control unit is too far away from player, or angle is wrong. • There is an obstacle between remote control unit and player.	• Replace batteries. • The operating range of the remote control unit, is up to about 7 m from, and within angles of 30 degrees left and right of the sensor window on the player. • Operate the remote control unit from a different position, or remove the obstacle.

SPECIFICATIONS

1. General

Type ..... Compact disc digital audio system
Usable discs ..... Compact Disc
Power requirements
U.K. and Australian models ..... AC 230V—240V, 50/60Hz
European model ..... AC 220—230V, 50/60Hz
U.S. and Canadian models ..... AC 120V, 60Hz
Multi-voltage model ..... AC 110/120—127/220/240V (switchable) 50/60Hz
Power consumption
PD-8700 ..... 18W
PD-7700 ..... 14W
Operating temperature ..... +5°C—+35°C (+41°F—+95°F)
Weight
PD-8700 ..... 5.0kg (11lb)
PD-7700 ..... 4.2kg (9lb, 4oz)
External dimensions
PD-8700: All models ..... 420(W) × 274(D) × 135(H)mm 16-9/16(W) × 10-13/16(D) × 5-5/16(H) in.
PD-7700 ..... 420(W) × 274(D) × 130(H)mm 16-9/16(W) × 10-13/16(D) × 5-2/16(H) in.

2. Audio section

PD-8700:
Frequency response ..... 2Hz—20kHz ±0.5dB
S/N ..... 108dB or more (EIAJ)
Dynamic range ..... 97dB or more (EIAJ)
Channel separation ..... 102dB or more (EIAJ)
Total harmonic distortion ..... 0.0022% or less (EIAJ)
Wow and flutter ..... Limit of measurement (±0.001% W.PEAK) or less (EIAJ)
Number of channels ..... 2 channels (stereo)
PD-7700:
Frequency response ..... 2Hz—20kHz ±0.5dB
S/N ..... 106dB or more (EIAJ)
Dynamic range ..... 96dB or more (EIAJ)
Channel separation ..... 100dB or more (EIAJ)
Total harmonic distortion ..... 0.0026% or less (EIAJ)
Wow and flutter ..... Limit of measurement (±0.001% W.PEAK) or less (EIAJ)
Number of channels ..... 2 channels (stereo)

3. Output terminal

PD-8700:
- Audio line output terminals (FIXED)
- Audio line output terminals (VARIABLE)
- CD-DECK SYNCHRO terminal
- Headphone jack (with motor drive volume control)
- Optical digital output terminal
- Control input/output terminals (U.S., Canadian and Australian models only)

PD-7700:
- Audio line output terminals (FIXED)
- CD-DECK SYNCHRO terminal
- Headphone jack (with volume control)
- Optical digital output terminal
- Control input/output terminals (U.S., Canadian and Australian models only)

4. Functions

- Play
- Pause
- Stop
- Auto space
- Manual search
- Track search
- Index search (PD-8700 only)
- Peak search
- Hi-lite scan
- Direct selection
- Single track repeat
- All track repeat
- Programmed repeat
- Delete repeat
- Random play repeat
- Programmed random play repeat
- Delete play repeat random
- Programmed playback (up to 24 tracks)
- Delete playback
- Pause program
- Program check
- Program correction
- Program clear
- Auto program edit
- Compu program edit
- Time fade edit
- Digital level control (PD-7700: Remote control only)
- Random play
- Programmed random play
- Delete random play
- Fade in/fade out (PD-8700 only)
- Time location
- Reserve
- Display off (PD-8700 only)
- Program hold
- Level hold
- Timer start
- CD-deck synchro

5. Accessories

- Remote control unit 1
- Size AAA/R03 dry cell batteries 2
- Output cable 1
- Control cord (U.S., Canadian and Australian models only) 1
- Operating instructions 1

NOTE:
The specifications and design of this product are subject to change without notice, due to improvements.

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